

FIG.1

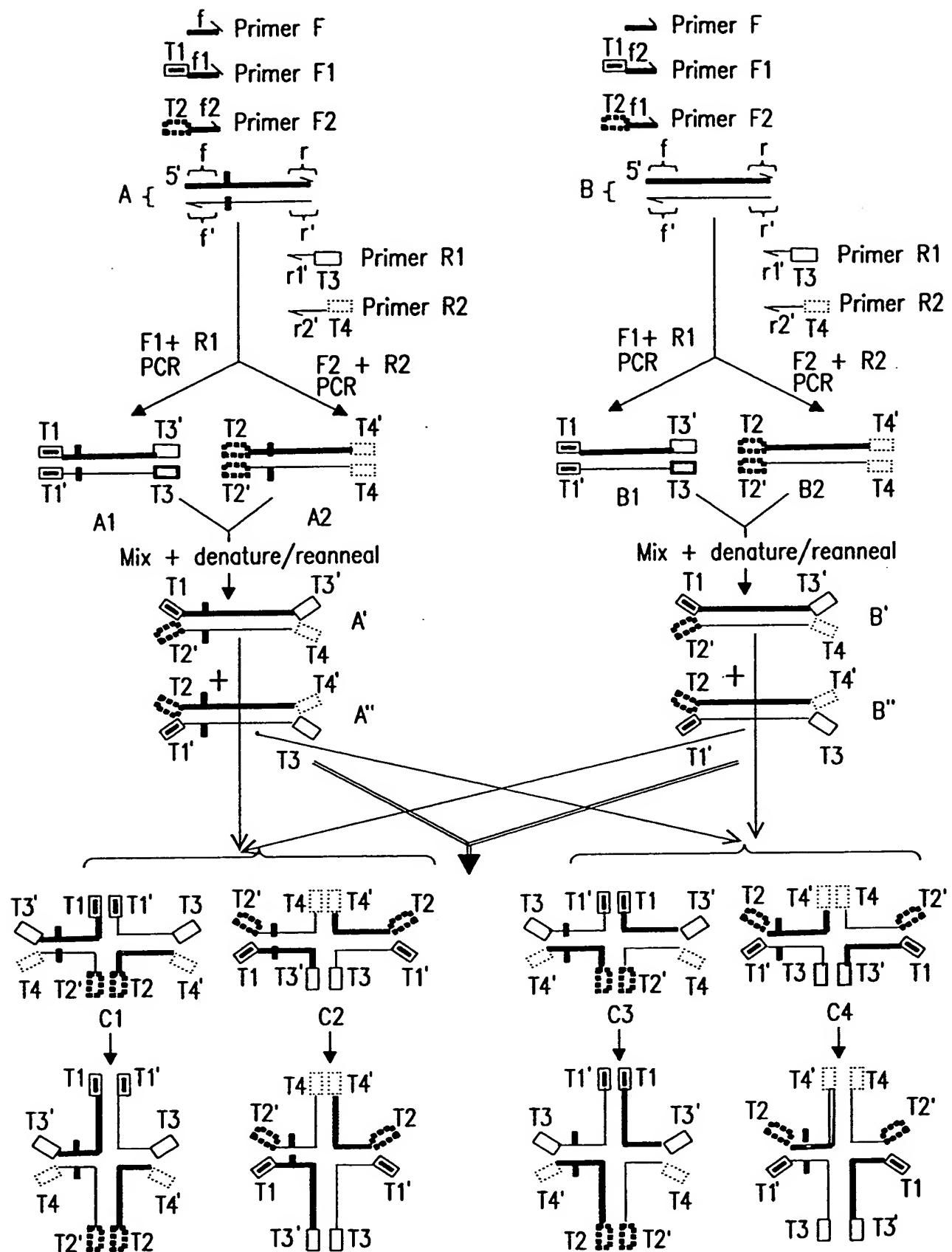


FIG.2

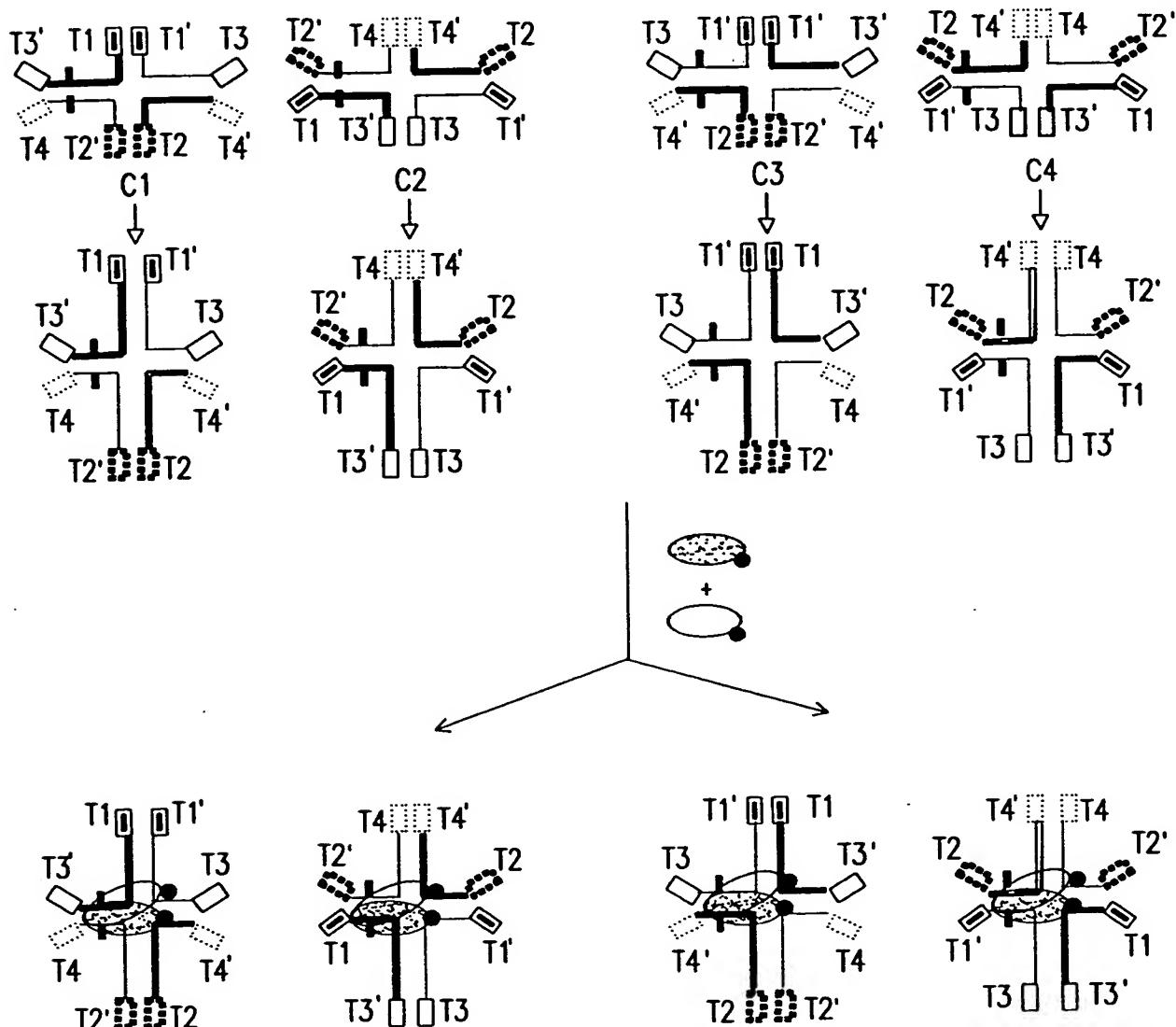


FIG.3

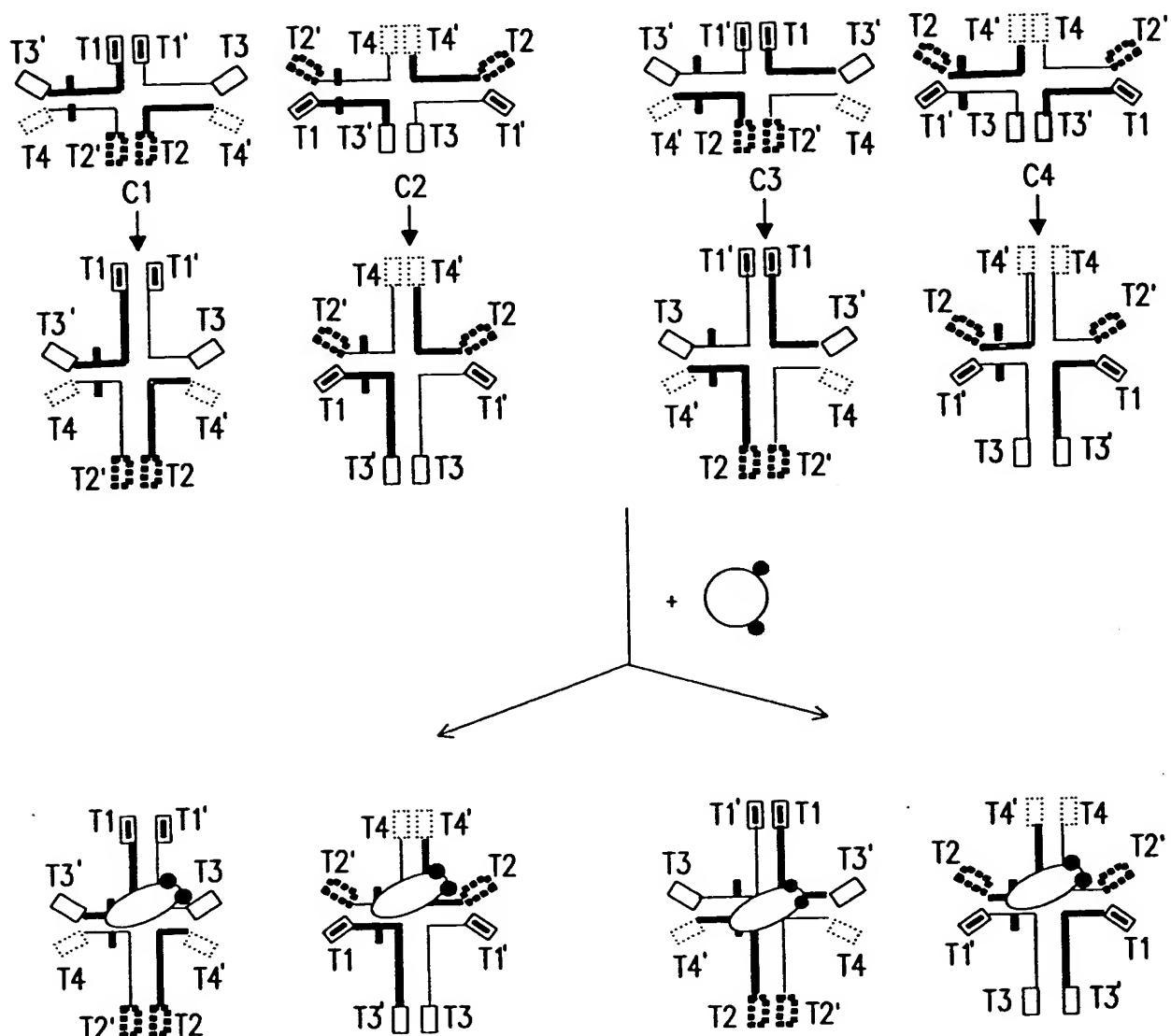


FIG.4

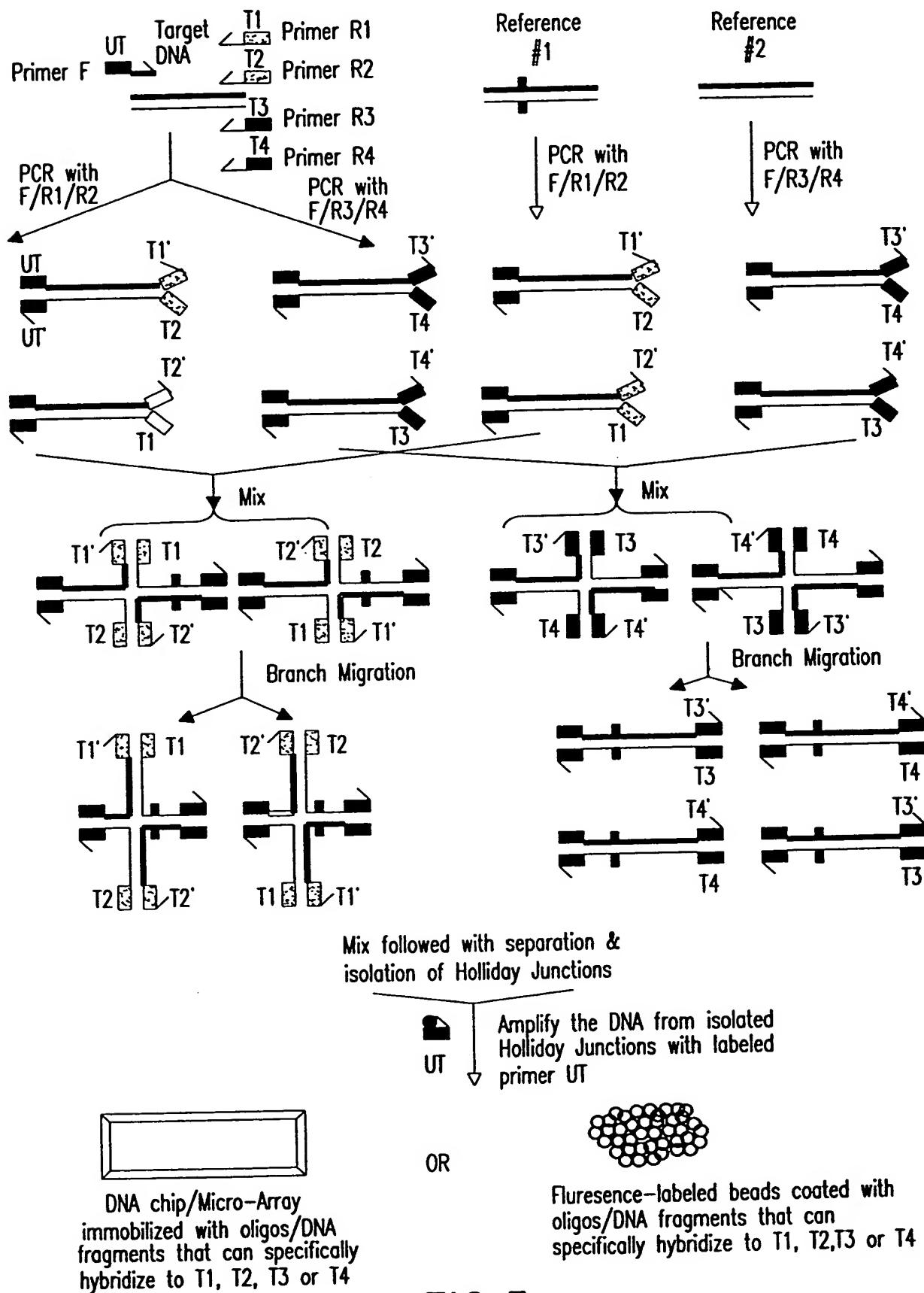


FIG.5

There is no difference between DNA fragment A and B

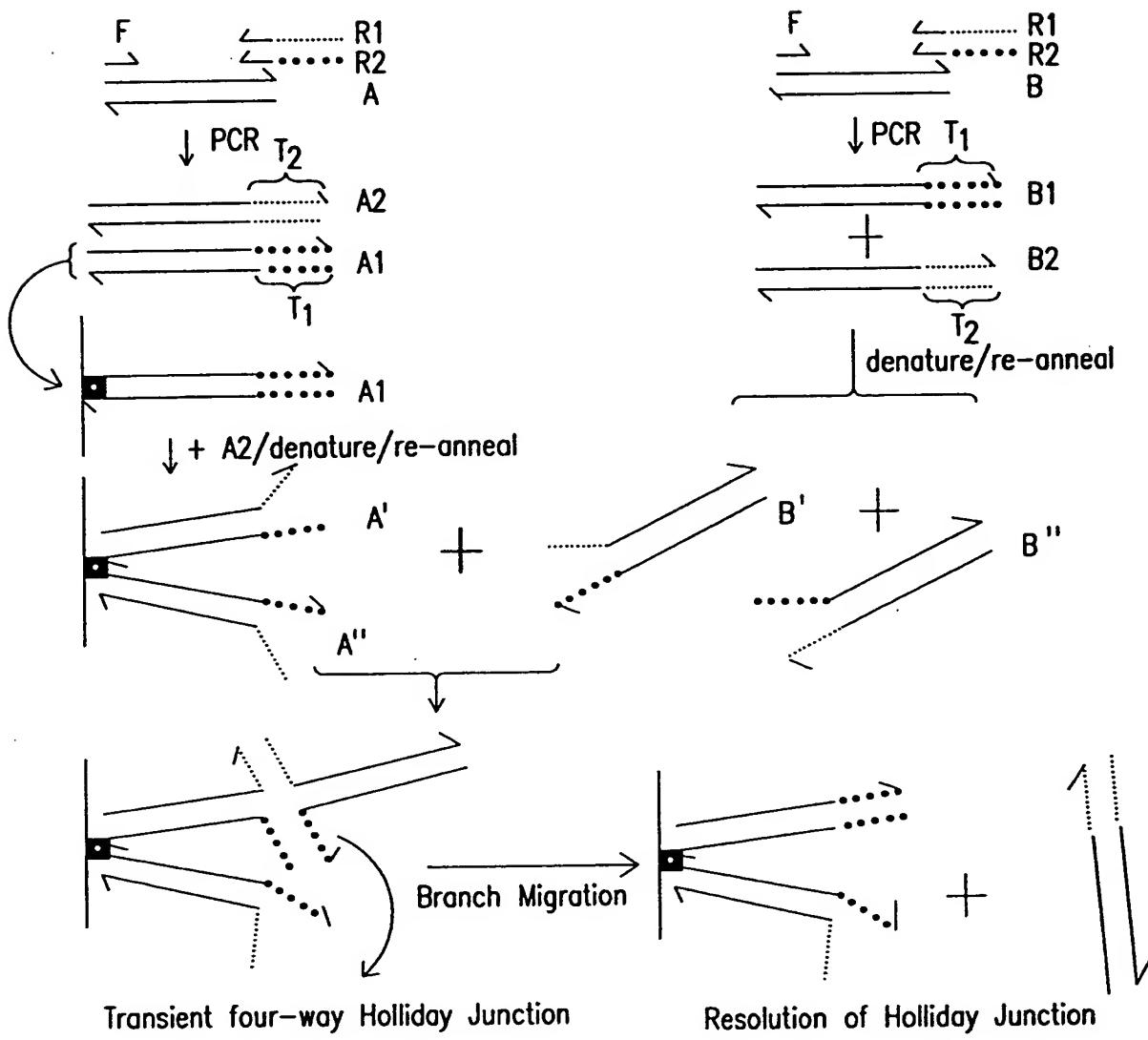


FIG.6A

There is a difference between DNA fragment A and B

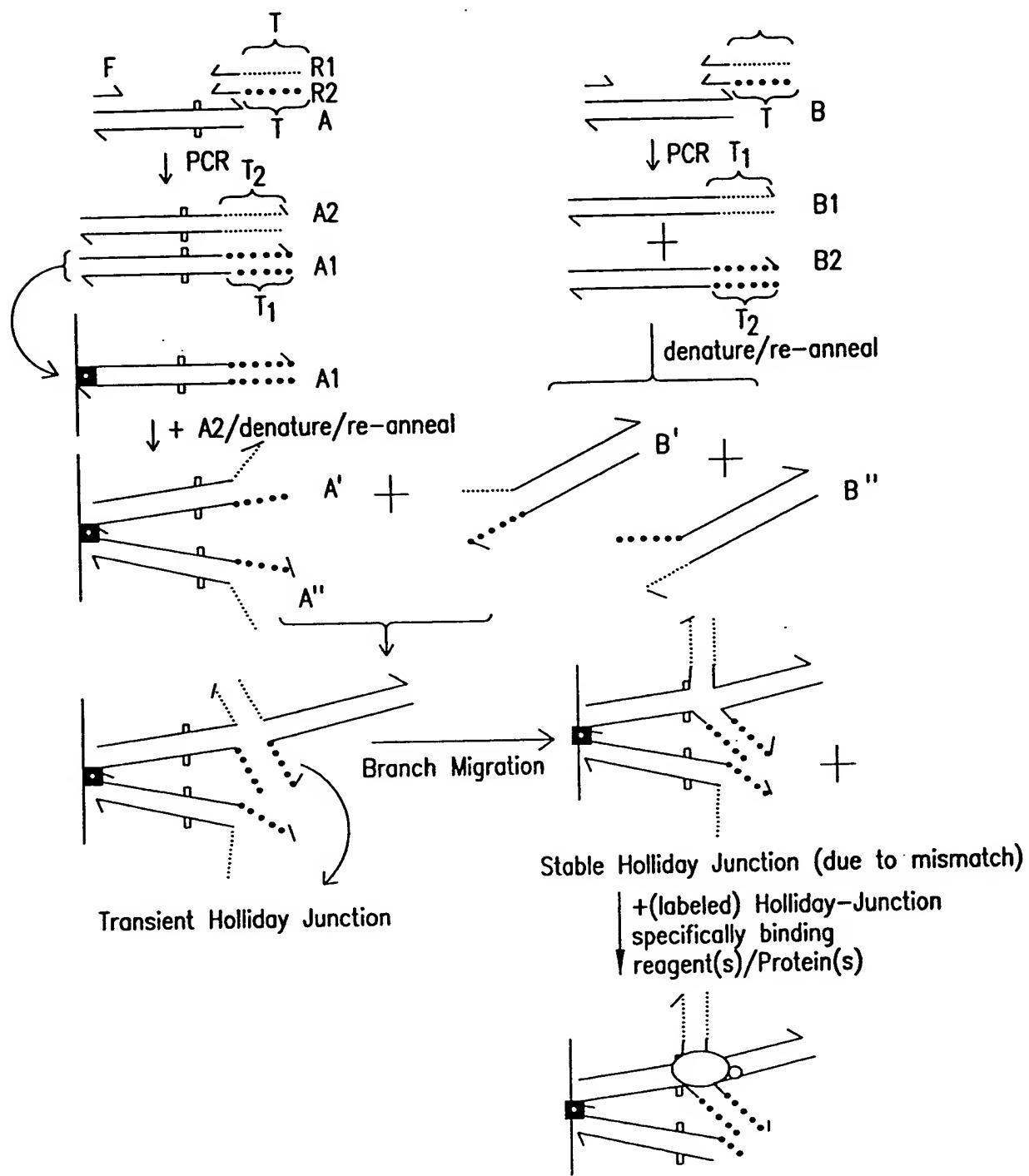
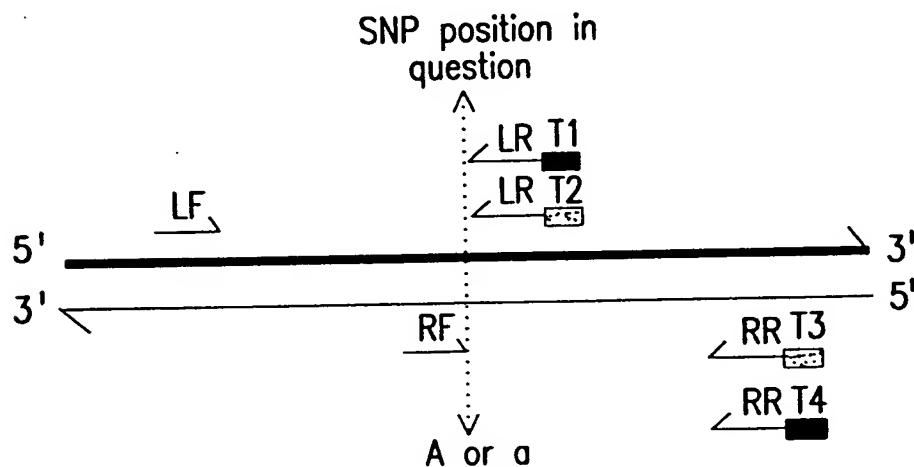


FIG.6B

For each SNP position in question, two versions exist (bi-allelic): either A or a.

Two sets of primers:

- 1st set of primers: LF/LR1/LR2
- 2nd set of primers: RF/RR1/RR2



$$T1 = / = T2, T3 = / = T4, T1/T2 = T3/T4 \text{ or } T1/T2 = / = T3/T4$$

FIG.7

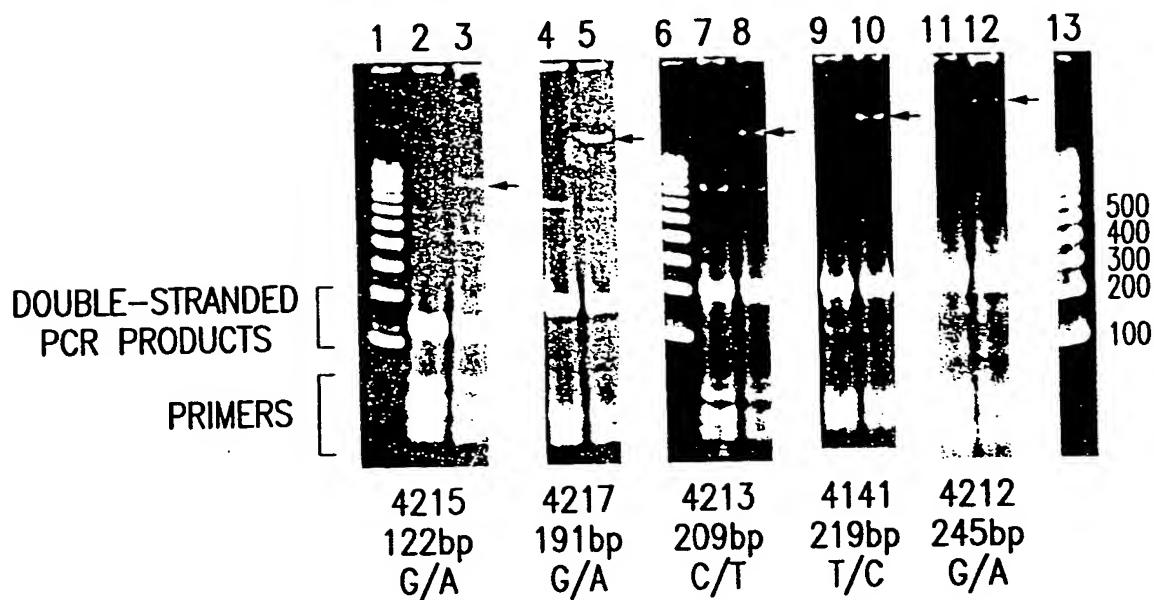


FIG.8A

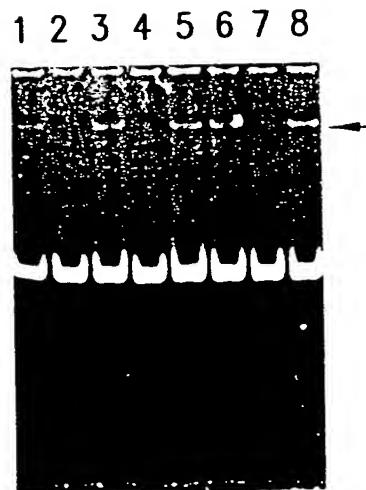
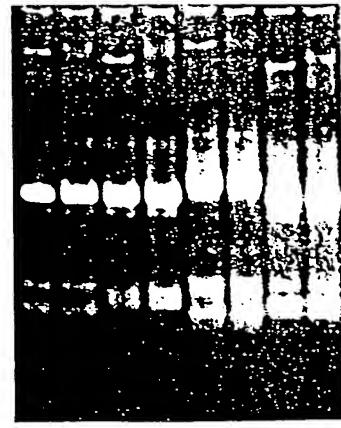


FIG.8B



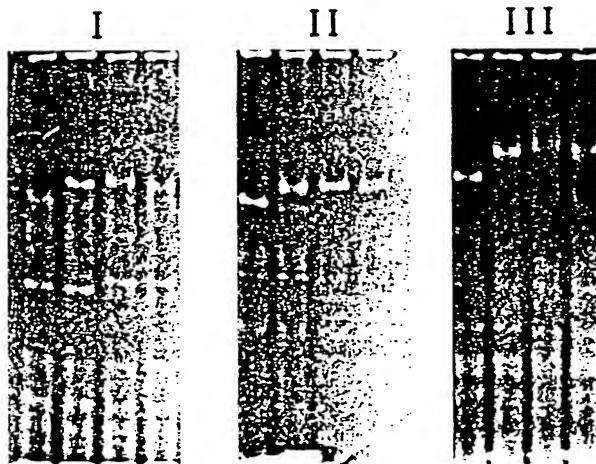
A C hom
4215 A C het

FIG.9A



Ruv A: - + - + - + - +
3989 4141 4212 4213

FIG.9B



A C A+C
4213 A C A+C
4216 A C A+C
4141

FIG.9C

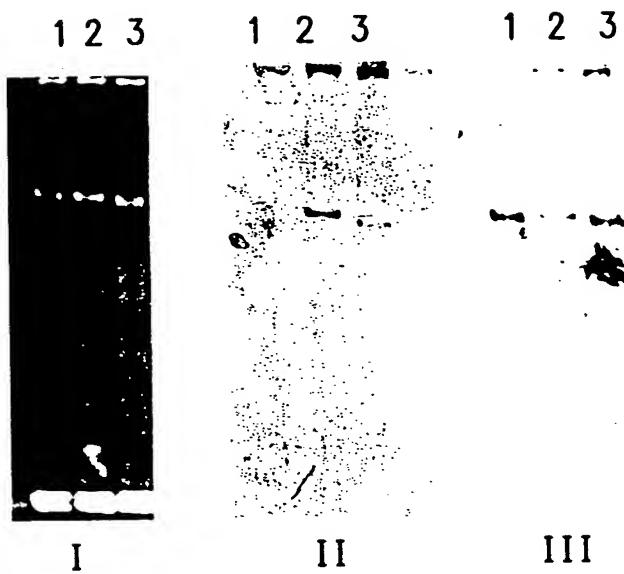


FIG. 10